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25X1A

REPORT NO.

USSR

DATE DISTR

SUBJECT

Nuclear Equipment Displayed at Geneva

17 NOV '55

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SUPPLEMENT TO REPORT #

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THIS IS UNEVALUATED INFORMATION

SOURCE

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1. The Soviet-made nuclear equipment shown at the Geneva "Atoms for Peace" Conference in August, 1955 is generally of a high order from the point of view of design, fabrication, orientation of parts and care of solder joints in electrical equipment.
2. Geiger counter-tube fabrication was first class. At least one type appeared to be machine made. I know of no US counter tube currently being produced by automatic machinery. A pair of Soviet tongs I examined were excellent, far superior to any made in the US. I plan to include the design features in my own manufacturing. The well logging scintillation counter was equal to any made in the US with good design features built in a rugged dependable manner. The sample shield is excellent, not fancy and overloaded with gadgets, but simple and effective in design.

On file in CIA Graphics Register are the following 1966 photographs of Soviet-made nuclear equipment exhibited at Geneva:

- (1) Tongs (CIA 180710).
- (2) Well logging scintillation counter (CIA 180711).
- (3) Surface monitor (CIA 180712).
- (4) Sample shield (CIA 180713).
- (5) Thickness gauge (CIA 180714).
- (6) Geiger counter tubes and scintillation counter (CIA 180715).
- (7) 4 pi counter (CIA 180716).
- (8) 2 pi counter (CIA 180717).
- (9) Tin oxide halogen counter (CIA 180718).
- (10) Scintillation counter and circuit (CIA 180719).
- (11) Machine made counter tube (CIA 180720).
- (12) Mass spectrometer. (CIA 180721) - Classified Use Only

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